

storing a first set of encryption data associated with a first data stream wherein the first data stream includes a first number of services;

encrypting a the first data stream having ~~said~~ a first-level-of-encryption;

sending ~~said~~ the first data stream to a destination device for decryption;

storing a second set of encryption data associated with a second data stream wherein the second data stream includes a second number of services that is different from the first number of services;

encrypting the second data stream having a second-level-of-encryption, ~~said~~ the first-level-of-encryption being different from ~~said~~ the second-level-of-encryption;

utilizing a common memory to encrypt ~~said~~ the first data stream at said first-level-of-encryption and to encrypt ~~said~~ the second data stream at ~~said~~ the second-level-of-encryption; and

sending ~~said~~ the second data stream to ~~said~~ the destination device for decryption.

2. (Presently amended) The method ~~as described in~~ of claim 1 wherein ~~said~~ the first set of encryption data comprises at least one encryption key.

3. (Presently amended) The method ~~as described in~~ of claim 1 wherein ~~said~~ the destination device comprises a set-top box.

4. (Presently amended) The method ~~as described in~~ of claim 3 ~~and~~ further comprising storing a plurality of decryption algorithms at ~~said~~ the set-top box.

5. (Canceled)

6. (Presently amended) The method ~~as described in~~ of claim 1 wherein ~~said the~~ first-level of encryption utilizes the Data Encryption Standard and wherein ~~said the~~ second-level-of-encryption utilizes an encryption algorithm different from said Data Encryption Standard.

7. (Presently amended) The method ~~as described in the~~ claim 1 ~~and~~ further comprising:

decrypting ~~said the~~ first data stream at ~~said the~~ set-top box; and

decrypting ~~said the~~ second data stream at ~~said the~~ set-top box.

8. (Presently amended) The method ~~as described in~~ of claim 1 ~~and~~ further comprising storing a portion of ~~said the~~ first set of encryption data in a RAM.

9. (Presently amended) The method ~~as described in~~ of claim 1 ~~and~~ further comprising storing a portion of ~~said the~~ first set of encryption data in a register of a microprocessor.

10-13. (Canceled)

14. (Presently amended) A method of allocating resources comprising:

allocating a memory with a first set of decryption data corresponding to a first-level-of-encryption;

receiving ~~via~~ from an originating source a first data stream having ~~said~~ the first-level-of-encryption and a first number of services;

re-allocating ~~said~~ the memory with a second set of decryption data corresponding to a second-level-of-encryption ~~said~~ the second-level-of-encryption being different from ~~said~~ the first-level-of-encryption of ~~said~~ the first data stream; ~~and~~

receiving ~~via~~ ~~said~~ from the originating source a second data stream having ~~said~~ the second-level-of-encryption and a second number of services different from the first number of services; and

storing in memory said first set of decryption data corresponding to a first level of encryption and second set of decryption data corresponding to said second level of encryption.

15. (Presently amended) The method ~~as described in~~ of claim 14 ~~and~~ further comprising detecting that ~~said~~ the second-level-of-encryption of ~~said~~ the second data stream is different from ~~said~~ the first-level-of-encryption of ~~said~~ the first data stream.

16. (Presently amended) The method ~~as described in~~ of claim 14 wherein ~~said~~ the allocating a memory with a first set of decryption data corresponding to ~~said~~ the first-level-of encryption comprises storing decryption key data.

17. (Presently amended) The method ~~as described in~~ of claim 16 wherein ~~said the~~ re-allocating ~~said the~~ memory with a second set of decryption data corresponding to said second-level-of-encryption comprises storing decryption key data.

18-22. (Canceled)

23. (Presently amended) A method of providing encrypted data, said method comprising:

providing a first set of services comprised of a first number of services ;

encrypting at least one of said services from said first set of services at a first-level-of-encryption;

combining the first set of services into a first data stream;

transmitting ~~from a headend to a set top box~~ said first data stream;

storing a first set of decryption keys associated with said first-level-of-encryption ~~in an integrated circuit in said set top box~~, said first set of keys corresponding to the decryption algorithm for the first-level-of-encryption;

~~decrypting said first data stream;~~

providing a second set of services comprised of a second number services  
different from the first number of services;

encrypting at least one of said services from said second set of services with an encryption algorithm different from said first-level-of-encryption;

combining the second set of services into a second data stream;

~~formatting said second data stream;~~

transmitting ~~from said headend to said set-top box~~ said second data stream;  
storing a second set of decryption keys associated with said second-level-of-encryption in said integrated circuit in said set-top box;  
~~storing a plurality of decryption algorithms in said set-top box; and~~  
~~decrypting said second data stream.~~

24. (New) A method of processing received data comprising:

storing a first set of decryption data associated with a first data stream wherein the first data stream includes a first number of services;

receiving the first data stream wherein the first data stream has a first-level-of-encryption;

decrypting the first data stream using the first set of decryption data;

storing a second set of decryption data associated with a second data stream wherein the second data stream includes a second number of services;

receiving the second data stream wherein the second data stream has a second-level-of-encryption;

decrypting the second data stream using the second set of decryption data; and

utilizing a common memory to decrypt the first data stream and the second data stream.

25. (New) The method of claim 24 wherein the first set of decryption data comprises at least one decryption key.

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26. (New) The method of claim 24 wherein the second set of decryption data  
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comprises at least one decryption key.